

COOLING SYSTEM

Specifications

Engine coolant capacity		See page A-2		
Thermostat	Valve opening temperature	86 – 90°C 187 – 194°F		
	Valve lift at 100°C (212°F)	8 mm (0.31 in.) or more		
Radiator	Relief valve opening pressure	STD	0.75 – 1.05 kg/cm² (10.7 – 14.9 psi, 74 – 103 kPa)	
		Limit	0.6 kg/cm²	8.5 psi 59 kPa

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Drain plug	350	25	34
Water outlet x Water outlet housing	80	69 in.-lb	7.8
Water pump x Cylinder block 10 mm bolt head	90	78 in.-lb	8.8
12 mm bolt head	195	74	20

LUBRICATION SYSTEM

Specifications

Engine oil capacity		See page A-22		
Oil pressure	at Idle speed	0.3 kg/cm² (4.3 psi, 29 kPa) or more		
	at 3,000 rpm	2.5 – 5.0 kg/cm²	36 – 71 psi	245 – 490 kPa
Oil pump	Body clearance	STD	0.105 – 0.175 mm	0.0041 – 0.0069 in.
		Limit	0.2 mm	0.008 in.
	Side clearance	STD	0.03 – 0.09 mm	0.0012 – 0.0035 in.
		Limit	0.15 mm	0.0059 in.
	Gear backlash	STD	0.5 – 0.6 mm	0.020 – 0.024 in.
		Limit	0.9 mm	0.035 in.
	Relief valve operating pressure	4.4 – 5.0 kg/cm² 63 – 71 psi 431 – 490 kPa		

Torque Specifications

Part tightened	kg-cm	ft-lb	N·m
Engine oil drain plug	350	25	34
Oil pump strainer x Oil pump body	80	69 in.-lb	7.8
Relief valve x Oil pump strainer	375	27	37
Oil pump x Cylinder block	220	16	22
Oil pump strainer x Oil pump body	130	9	13
Oil pump outlet pipe x Oil pump	350	25	34
Oil pump outlet pipe x Union	350	25	34
Oil pan x Cylinder block	130	9	13